

#27 33-03
RECEIVED

FEB 19 2003

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/092,297A

TIME: 10:46:01

Input Set : A:\6107uspl.txt

Output Set: N:\CRF4\02112003\I092297A.raw

ENTERED

```

4 <110> APPLICANT: Abbott Laboratories
5      Billing-Medel, Patricia A.
6      Cohen, Maurice
7      Colpitts, Tracey L.
8      Friedman, Paula N.
9      Gordon, Julian
10     Granados, Edward N.
11     Hodges, Steven C.
12     Klass, Michael R.
13     Kratochvil, Jon D.
14     Roberts-Rapp, Lisa
15     Russell, John C.
16     Stroupe, Stephen D.
17     Yu, Hong
20 <120> TITLE OF INVENTION: Reagents And Methods Useful For
21     Detecting Diseases Of The Urinary Tract
24 <130> FILE REFERENCE: 6107.US.P1
26 <140> CURRENT APPLICATION NUMBER: 09/092,297A
27 <141> CURRENT FILING DATE: 1998-06-05
29 <150> PRIOR APPLICATION NUMBER: US 08/869,579
30 <151> PRIOR FILING DATE: 1997-06-05
32 <160> NUMBER OF SEQ ID NOS: 22
34 <170> SOFTWARE: FastSEQ for Windows Version 4.0
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 196
38 <212> TYPE: DNA
39 <213> ORGANISM: Homo sapiens
41 <400> SEQUENCE: 1
42 ctccactgca accacccaga gccatggctc cccgaggctg catcgtagct gtctttgcca      60
43 ttttctgcat ctccaggctc ctctgctcac acggagcccc agtggtcccc atgactcctt      120
44 acctgatgct gtgccagcca cacaagagat gtggggacaa gttctacgac cccctgcagc      180
45 actgttgcta tgatga                                     196
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 236
49 <212> TYPE: DNA
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
53 ttctacgacc ccctgcagca ctgttgctat gatgatgccg tcgtgccctt ggccaggacc      60
54 cagacgtgtg gaaactgcac cttcagagtc tgctttgagc agtgctgccc ctggaccttc      120
55 atggtgaagc tgataaacca gaactgcgac tcagcccgga cctcggatga caggctttgt      180
56 cgcagtgtca gctaattgaa catcagggga acgatgactc ctggattctc cttcct       236
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 417

```

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/092,297A

TIME: 10:46:01

Input Set : A:\6107uspl.txt

Output Set: N:\CRF4\02112003\I092297A.raw

```

60 <212> TYPE: DNA
61 <213> ORGANISM: Homo sapiens
63 <400> SEQUENCE: 3
64 ataaagtaca taaatttatt atgatcctgt gctttgctcc tggatagaag agaacttgag      60
65 atgatggaaa atctcacaga aggggtgaagg gttccccagc cagccttggg gtggtgccgg      120
66 gttgatgttg gccatagggg tcatcaggag ggttcagagt ccctgggccc ccatcagcac      180
67 acgcatctca tgctgtccag aattctagaa ggggacctgt gggcctcctc agggcagcgg      240
68 caggggtgggc ctcacagagg tcacagaatg aagtgggcag ttgagtgtgt gtttctctgg      300
69 ccccaaaca gccactcagc atcccagatc tcaggtaaca ccagcctctt tctccaggcc      360
70 caccaggaa ggagaatcca ggagtcacg ttcccctgat gttccattag ctgacac      417
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 763
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 4
78 ctccactgca accacccaga gccatggctc cccgaggctg catcgtagct gtctttgccca      60
79 ttttctgcat ctccaggctc ctctgtcac acggagcccc agtggcccc atgactcctt      120
80 acctgatgct gtgccagcca cacaagagat gtggggacaa gttctacgac ccctgcagc      180
81 actgttgcta tgatgatgcc gtcgtgccct tggccaggac ccagacgtgt ggaaactgca      240
82 ccttcagagt ctgctttgag cagtgtgcc cctggacctt catggtgaag ctgataaacc      300
83 agaactgcga ctcagcccgg acctcggatg acaggctttg tcgcagtgtc agctaattgga      360
84 acatcagggg aacgatgact cctggattct ccttcctggg tgggcctgga gaaagaggct      420
85 ggtgttacct gagatctggg atgctgagt gctgtttggg ggccagagaa acacacactc      480
86 aactgcccac ttcattctgt gacctgtctg aggccacccc tgccgctgcc ctgaggaggc      540
87 ccacaggctc ctttctagaa ttctggacag catgagatgc gtgtgctgat gggggcccag      600
88 ggactctgaa ccctcctgat gacctatg gccaacatca acccggcacc accccaaggc      660
89 tggctgggga acccttcacc cttctgtgag attttccatc atctcaagtt ctcttctatc      720
90 caggagcaaa gcacaggatc ataataaatt tatgtacttt ata      763
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 763
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <220> FEATURE:
98 <223> OTHER INFORMATION: S = g or c at position 626
100 <400> SEQUENCE: 5
101 ctccactgca accacccaga gccatggctc cccgaggctg catcgtagct gtctttgccca      60
102 ttttctgcat ctccaggctc ctctgtcac acggagcccc agtggcccc atgactcctt      120
103 acctgatgct gtgccagcca cacaagagat gtggggacaa gttctacgac ccctgcagc      180
104 actgttgcta tgatgatgcc gtcgtgccct tggccaggac ccagacgtgt ggaaactgca      240
105 ccttcagagt ctgctttgag cagtgtgcc cctggacctt catggtgaag ctgataaacc      300
106 agaactgcga ctcagcccgg acctcggatg acaggctttg tcgcagtgtc agctaattgga      360
107 acatcagggg aacgatgact cctggattct ccttcctggg tgggcctgga gaaagaggct      420
108 ggtgttacct gagatctggg atgctgagt gctgtttggg ggccagagaa acacacactc      480
109 aactgcccac ttcattctgt gacctgtctg aggccacccc tgccgctgcc ctgaggaggc      540
110 ccacaggctc ctttctagaa ttctggacag catgagatgc gtgtgctgat gggggcccag      600
111 ggactctgaa ccctcctgat gacctatg gccaacatca acccggcacc accccaaggc      660
112 tggctgggga acccttcacc cttctgtgag attttccatc atctcaagtt ctcttctatc      720
113 caggagcaaa gcacaggatc ataataaatt tatgtacttt ata      763
115 <210> SEQ ID NO: 6

```

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/092,297A

TIME: 10:46:01

Input Set : A:\6107uspl.txt

Output Set: N:\CRF4\02112003\I092297A.raw

```

116 <211> LENGTH: 68
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Polylinker Fragments
123 <400> SEQUENCE: 6
124 agctcggaat tccgagcttg gatcctctag agcggccgcc gactagtgag ctcgtcgacc      60
125 cggaatt                                                                    68
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 68
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Polylinker Fragments
135 <400> SEQUENCE: 7
136 aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg      60
137 gaattccg                                                                    68
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 24
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Universal Primer
147 <400> SEQUENCE: 8
148 agcggataac aatttcacac agga                                              24
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 18
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Universal Primer
158 <400> SEQUENCE: 9
159 tgtaaaacga cggccagt                                                    18
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 18
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Custom Sequencing Primer
169 <400> SEQUENCE: 10
170 tggaaactgc accttcag                                                    18
172 <210> SEQ ID NO: 11
173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Custom Sequencing Primer
180 <400> SEQUENCE: 11
181 caaagcagac tctgaaggtg                                              20

```

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/092,297A

TIME: 10:46:01

Input Set : A:\6107uspl.txt

Output Set: N:\CRF4\02112003\I092297A.raw

```

183 <210> SEQ ID NO: 12
184 <211> LENGTH: 18
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Custom Sequencing Primer
191 <400> SEQUENCE: 12
192 acgcatctca tgctgtcc                                     18
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 22
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: RT-PCR Primer
202 <400> SEQUENCE: 13
203 aggctgcatc gtagctgtct tt                                22
205 <210> SEQ ID NO: 14
206 <211> LENGTH: 22
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: RT-PCR Primer
213 <400> SEQUENCE: 14
214 cgcattctcat gctgtccaga at                                22
216 <210> SEQ ID NO: 15
217 <211> LENGTH: 23
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: pcDNA 3.1-C Cloning Primer
224 <400> SEQUENCE: 15
225 cccagtcacg acgttgtaaa acg                                23
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 26
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: pcDNA 3.1-C Cloning Primer
235 <400> SEQUENCE: 16
236 gcggccgccg ctgacactgc gacaaa                                26
238 <210> SEQ ID NO: 17
239 <211> LENGTH: 117
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Orf Protein
246 <400> SEQUENCE: 17
247 Pro Leu Gln Pro Pro Arg Ala Met Ala Pro Arg Gly Cys Ile Val Ala
248 1                               5                               10                               15

```

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/092,297A

TIME: 10:46:01

Input Set : A:\6107uspl.txt

Output Set: N:\CRF4\02112003\I092297A.raw

```

249 Val Phe Ala Ile Phe Cys Ile Ser Arg Leu Leu Cys Ser His Gly Ala
250      20      25      30
251 Pro Val Ala Pro Met Thr Pro Tyr Leu Met Leu Cys Gln Pro His Lys
252      35      40      45
253 Arg Cys Gly Asp Lys Phe Tyr Asp Pro Leu Gln His Cys Cys Tyr Asp
254      50      55      60
255 Asp Ala Val Val Pro Leu Ala Arg Thr Gln Thr Cys Gly Asn Cys Thr
256 65      70      75      80
257 Phe Arg Val Cys Phe Glu Gln Cys Cys Pro Trp Thr Phe Met Val Lys
258      85      90      95
259 Leu Ile Asn Gln Asn Cys Asp Ser Ala Arg Thr Ser Asp Asp Arg Leu
260      100      105      110
261 Cys Arg Ser Val Ser
262      115
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 32
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Synthetic Peptide
272 <400> SEQUENCE: 18
273 Pro Leu Gln Pro Pro Arg Ala Met Ala Pro Arg Gly Cys Ile Val Ala
274 1      5      10      15
275 Val Phe Ala Ile Phe Cys Ile Ser Arg Leu Leu Cys Ser His Gly Ala
276      20      25      30
278 <210> SEQ ID NO: 19
279 <211> LENGTH: 30
280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Synthetic Peptide
286 <400> SEQUENCE: 19
287 Leu Cys Gln Pro His Lys Arg Cys Gly Asp Lys Phe Tyr Asp Pro Leu
288 1      5      10      15
289 Gln His Cys Cys Tyr Asp Asp Ala Val Val Pro Leu Ala Arg
290      20      25      30
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 31
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Synthetic Peptide
300 <400> SEQUENCE: 20
301 Thr Gln Thr Cys Gly Asn Cys Thr Phe Arg Val Cys Phe Glu Gln Cys
302 1      5      10      15
303 Cys Pro Trp Thr Phe Met Val Lys Leu Ile Asn Gln Asn Cys Asp
304      20      25      30
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 8

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/092,297A

DATE: 02/12/2003

TIME: 10:46:02

Input Set : A:\6107usp1.txt

Output Set: N:\CRF4\02112003\I092297A.raw